



# **UNITED STATES AIR FORCE**

## **JOB INVENTORY**

(MANUSCRIPT FOR DISK SURVEY)

**A-10, F-15 AND U-2 AVIONICS SYSTEMS**

**AFSC 2A3X1**

**OSSN 2513**

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**OCCUPATIONAL ANALYSIS PROGRAM  
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON  
AIR EDUCATION and TRAINING COMMAND  
1550 5TH STREET EAST  
RANDOLPH AFB, TEXAS 78150-4449**

**20031117 066**

#### BASE TO WHICH ASSIGNED

Read the list of bases and installations. Indicate the base or installation to which you are assigned.

135 Barksdale AFB LA  
135 Barnes IAP MA  
135 Battle Creek MI  
136 Beale AFB CA  
138 Boise ANGB ID  
148 Bradley IAP CT  
164 Cannon AFB NM  
196 Davis-Monthan AFB AZ  
202 Dobbins ARB GA  
214 Edwards AFB CA  
218 Eglin AFB FL  
220 Eielson AFB AK  
226 Elmendorf AFB AK  
302 Hickam AFB HI  
304 Hill AFB UT  
308 Homestead ARB FL  
322 Jacksonville IAP FL  
326 Kadena AB JA  
327 Klamath Falls ANGB OR  
334 Keflavik AS IC  
354 Lackland AFB TX  
358 Lakenheath RAF UK  
360 Lambert-St Louis IAP MO  
362 Langley AFB VA  
378 Luke AFB AZ  
379 Martin State Airport MD  
390 Maxwell AFB AL  
394 McChord AFB WA  
424 Mountain Home AFB ID  
428 Nellis AFB NV  
434 New Orleans NAS JRB LA  
444 Osan AB KR  
450 Otis ANGB MA  
464 Pope AFB NC  
466 Portland IAP OR  
474 Randolph AFB TX  
502 Schriever AFB CO  
510 Seymour Johnson AFB NC  
516 Sheppard AFB TX  
518 Spangdahlem AB GE  
558 Tyndall AFB FL  
560 US Air Force Academy CO  
580 Whiteman AFB MO  
586 Wright-Patterson AFB OH  
900 Other

#### COMMAND TO WHICH ASSIGNED

Read the list of MAJCOMs and agencies. Indicate the MAJCOM or agency to which you are assigned. (Air National Guard Unit personnel should indicate such.)

100 Air Combat Command  
101 Air Education and Training Command  
102 Air Force Materiel Command  
104 Air Force Space Command  
107 Pacific Air Forces  
108 US Air Forces, Europe  
138 Air Force Operational Test and Evaluation Center  
171 Air Intelligence Agency  
177 Air National Guard Unit  
200 Other

1. Are you assigned to a base or installation which is located outside the continental U.S.?

Yes  
No

2. How do you find your job? Choose only one.

Extremely Dull  
Very Dull  
Fairly Dull  
So-So  
Fairly Interesting  
Very Interesting  
Extremely Interesting

3. How does your job utilize your talents? Choose only one.

Not At All  
Very Little  
Fairly Well  
Quite Well  
Very Well  
Excellent  
Perfectly

4. How does your job utilize your training? Choose only one.

Not At All  
Very Little  
Fairly Well  
Quite Well  
Very Well  
Excellent  
Perfectly

5. How satisfied are you with the sense of accomplishment you gain from your work? Choose only one.

Extremely Dissatisfied  
Very Dissatisfied  
Slightly Dissatisfied  
Neither Satisfied Nor Dissatisfied  
Slightly Satisfied  
Very Satisfied  
Extremely Satisfied

6. Do you plan to reenlist at the end of your current enlistment? Choose only one.

Will Retire (I will have completed at least 20 years' service)  
Definitely Will Not Reenlist  
Probably Will Not Reenlist  
Probably Will Reenlist  
Definitely Will Reenlist

7. Examine each factor and determine whether it influenced your decision to separate. Choose all that apply. After you have selected all of the appropriate items, you will be asked to rate their relative importance.

Military lifestyle  
Pay and allowances  
Bonus or special pay  
Retirement benefits  
Military related education and training opportunities  
Off-duty education and training opportunities  
Medical or dental care for AD member  
Medical care or dental care for family members  
Base housing  
Base services  
Childcare needs  
Spouse's career  
Civilian job opportunities  
Equal employment opportunities  
Number of PCS moves  
Location of present assignment  
Number/duration of TDYs or deployments  
Work schedule  
Additional duties  
Job security  
Enlisted evaluation system  
Promotion opportunities  
Training/experience of unit personnel  
Unit manning  
Unit resources  
Unit readiness  
Recognition of efforts  
Esprit de corps/morale  
Leadership of immediate supervisor  
Leadership at unit level  
Senior Air Force leadership

8. Examine each factor and determine whether it influenced your decision to reenlist. Choose all that apply. After you have selected all of the appropriate items, you will be asked to rate their relative importance.

Military lifestyle  
 Pay and allowances  
 Bonus or special pay  
 Retirement benefits  
 Military related education and training opportunities  
 Off-duty education and training opportunities  
 Medical or dental care for AD member  
 Medical care or dental care for family members  
 Base housing  
 Base services  
 Childcare needs  
 Spouse's career  
 Civilian job opportunities  
 Equal employment opportunities  
 Number of PCS moves  
 Location of present assignment  
 Number/duration of TDYs or deployments  
 Work schedule  
 Additional duties  
 Job security  
 Enlisted evaluation system  
 Promotion opportunities  
 Training/experience of unit personnel  
 Unit manning  
 Unit resources  
 Unit readiness  
 Recognition of efforts  
 Esprit de corps/morale  
 Leadership of immediate supervisor  
 Leadership at unit level  
 Senior Air Force leadership

9. Indicate the number of deployments you completed in support of contingencies or exercises during the past 12 months. Choose only one.

None, I did not complete any deployments in support of contingencies or exercises during the past 12 months  
 1 deployment  
 2 deployments  
 3 deployments  
 4 deployments  
 5 deployments  
 6 deployments or more

10. Indicate the number of days during the past 12 months you have spent on temporary duty (TDY) in support of contingencies or exercises. Choose only one.

30 days or less  
 31 - 59 days  
 60 - 89 days  
 90 - 119 days  
 120 - 149 days  
 150 - 179 days  
 180 days or more

11. Indicate the organizational level of your present assignment. Choose only one.

HQ USAF  
 Unified Command  
 Major Command  
 Joint Command  
 Field Operating Agency  
 Numbered Air Force  
 Wing  
 Group  
 Squadron  
 Detachment  
 Operating Location  
 Flight  
 Element

12. Indicate the job title which best describes your present job. Choose only one.

Aircraft Battle Damage Repair Avionics Technician  
 Aircraft Crew Chief  
 Assistant Flight Chief  
 Avionics Apprentice, Flightline  
 Avionics Journeyman, Flightline  
 Avionics Craftsman, Flightline  
 Branch Chief  
 Debriefer  
 Expediter  
 Flight Chief  
 Mobility Supervisor  
 Production Superintendent  
 Quality Assurance Inspector  
 Technical School Instructor  
 Technical School Instructor Supervisor  
 Tool Room Monitor  
 Unit Training Instructor  
 Other

13. Indicate the functional area which best describes where you spend most of your time in your present job. Choose only one.

Analysis  
 Dispatch  
 Flightline  
 Mobility Office  
 Operational Test and Evaluation (OT&E)  
 Phase Dock  
 Quality Assurance  
 Technical School  
 Tool Room  
 Unit Training  
 Other

14. If you are a 2A371, indicate through which career ladder AFSC you attained the 7-skill level. Choose only one.

2A351A  
 2A351B  
 2A351C  
 Other

15. Indicate the aircraft on which you maintain avionics systems in your present job. Choose all that apply.

None, I do not perform aircraft avionics systems maintenance in my present job  
 A-10  
 F-15A/B  
 F-15C/D  
 F-15E  
 F-22  
 U-2S/T  
 Other

16. Indicate the test equipment or special tools you use or operate in your present job. Choose all that apply.

None, I do not use any test equipment or special tools in my present job  
 Air Inlet Controller (AIC) Crossover Cables  
 Analog Meters  
 Analyzers, Spectrum  
 Antenna Wrap Boxes  
 Boresight Equipment  
 Boxes, Breakout  
 Boxes, Interface Combined Altitude Radar  
 Boxes, Interface Low Altitude Radar Altimeter LARA MUX Unit (LMU)  
 Boxes, Weight Off Wheels (WOW) Proximity  
 Calibrators, Compass  
 Calibrators, Standby Compass  
 Common Aircraft Portable Reprogramming Equipment (CAPRE)  
 Crow Carts  
 Crypto Fill Devices, CYZ-10

Crypto Key Devices, KYK-13  
 Fighter Data Links  
 Force Gauges  
 Generators, Signal  
 Heat Guns  
 Hoisting Adapters  
 Hydrometers  
 Improved Radar Simulators, AN/APM-427  
 Inflight Monitors  
 Laptop Computers  
 Linear Gauges, Pogo Sticks  
 Memory Loader Verifiers (MLVs)  
 Meters, Bonding  
 Meters, Megaohm  
 Mission Data Loaders/Data Transfer Modules  
 Multimeters, Digital  
 Oscilloscopes  
 Overload Warning System (OWS) Adapter Cables  
 Pitot Static Adapter Kits  
 Pitot Tube Pullers  
 Pod Data Transfer (PDT) Equipment  
 Portable Aircraft Test Stations (PATSS)  
 Portable Data Transfer Systems (PDTSS)  
 Programmer Load Verifiers (PLVs)  
 Programmer Load Verifiers-New Technology (PLVs-NT)  
 Radar Set, High Power Radio Frequency (HPRF) Target Simulators  
 Ramp Test Plugs  
 Reflected Laser Simulators  
 Rig Pins  
 Simulator Test Adapter Detectors  
 Tape Readers, KOI-18  
 Test Sets, Automatic Flightline (AFLTSS)  
 Test Sets, Air-to-Air Interrogator (AAI), AN/APM-349  
 Test Sets, Airborne Signal Data Recording System Fault Isolation  
 Test Sets, Alpha Mock  
 Test Sets, Angle of Attack (AOA) Probe  
 Test Sets, Automatic Flight Control System  
 Test Sets, Egress Fiber Optic (EFOTSs)  
 Test Sets, Flightline (FLTSS), 3D  
 Test Sets, Fuel Quantity Gauging  
 Test Sets, Identification Friend or Foe (IFF) Transponder, AN/APM-424  
 Test Sets, IFF Transponder, AN/APM-480  
 Test Sets, IFF Transponder, AN/ASM-178  
 Test Sets, IFF Transponder, AN/ASM-184  
 Test Sets, Instrument Landing System (ILS)  
 Test Sets, Interoperable Airborne Data Link (IADL) and IADL II  
 Test Sets, Multiple Aim Point (MAP) Interface  
 Test Sets, Maverick Interface (MITSS)  
 Test Sets, Radio Frequency Line  
 Test Sets, TACAN, AN/ARM-188  
 Test Sets, Tactical Air Navigation (TACAN), AN/ARM-184  
 Test Sets, TTU-205  
 Test Sets, TTU-26E

- Testers, 184
- Testers, Antenna Diode
- Testers, AOA Probe Torque
- Testers, Asynchronous Transfer Mode (ATM) Tablet
- Testers, Countermeasures Sets
- Testers, Fuel Quantity
- Testers, Radio Frequency
- Testers, Watts
- Testers, Waveguide Pressure
- Thru-Line Watt Meters
- Time Domain Reflectometers (TDRs), other than Optical
- Time Domain Reflectometers, Optical (OTDR)
- Ultrasonic Leak Detectors
- Video Tape Recorders (VTRs), 8mm
- Wire Repair Kits
- Other

- Tow Bars
- Towing Vehicles
- Trailers
- Wheel Jacks
- Other

17. Indicate the support equipment you use or operate in your present job. Choose all that apply.

- Air Compressors
- Aircraft Jacks
- Antenna Cradles
- ATM Common Airborne Test Equipment
- Bomb Lifts (Jammers)
- Coolanol Hand Pumps
- Coolanol Liquid Cooling System (LCS) Servicing Carts
- External Cooling Air Units
- External Fuel Tank Dollies
- Fuel Bowsers
- Gas Turbine Generators/Compressors
- Gaseous Nitrogen Servicing Equipment
- Gaseous Oxygen Servicing Equipment
- Ground Heaters and Blowers
- Ground Support Equipment, IADL
- Hatch Dollies
- Hydraulic Servicing Carts
- Hydraulic Test Stands
- Liquid Nitrogen Servicing Equipment
- Liquid Oxygen Servicing Equipment
- Maintenance Cranes
- Maintenance Stands
- Manually Operated Lift Trucks (MOLTs)
- Nitrogen Servicing Equipment
- Oil Servicing Carts
- Pod Cradles
- Portable Generators
- Portable Ground Support Equipment, IADL
- Portable Hydraulic Test Stands (-6 Carts)
- Portable Lighting Equipment
- Soldering Equipment

#### A. PERFORMING GENERAL AVIONIC SYSTEMS MAINTENANCE ACTIVITIES

1. Analyze avionics status panel (ASP) latch data
2. Apply cockpit instrument range marks
3. Debrief aircrews
4. Fabricate crossover, plug, or test cables
5. Fabricate pitot static hoses
6. Inspect aircraft wiring
7. Inspect chafing problem areas
8. Inspect coaxial cables and connectors
9. Inspect electrical relays
10. Inspect hydraulic lines
11. Inspect multipin connectors
12. Inspect pitot or static hoses
13. Inspect quick disconnects
14. Inspect triaxial cables and connectors
15. Inspect waveguides
16. Install or maintain Velcro on control panels for night vision goggle (NVG) activities
17. Perform corrosion control procedures on electrical components
18. Purge pitot or static hoses
19. Record ASP latch data
20. Remove or install electrical relays
21. Remove or install electrostatic discharge devices
22. Remove or replace coaxial cables
23. Remove or replace modular blocks
24. Remove or replace pitot static hoses
25. Remove or replace quick disconnects
26. Remove or replace triaxial cables
27. Remove or replace waveguides
28. Remove, replace, or repair coaxial connectors
29. Remove, replace, or repair multipin connectors
30. Remove, replace, or repair triaxial connectors
31. Repair aircraft wiring
32. Repair chafed areas
33. Replace pitot seal adapters
34. Research technical orders
35. Safety wire components
36. Seal or reseal antennas
37. Trace wiring, system, or interface diagrams
38. Troubleshoot aircraft wiring
39. Troubleshoot coaxial cables and connectors
40. Troubleshoot electrical relays
41. Troubleshoot multipin connectors
42. Troubleshoot triaxial cables and connectors

#### B. MAINTAINING ATTACK CONTROL SYSTEMS

43. Boresight forward looking infrared (FLIR) systems
44. Boresight heads-up-display (HUD) mounts
45. Boresight laser targeting systems
46. Boresight navigation systems mounts
47. Boresight optical sight systems
48. Boresight radar antenna mounts
49. Boresight radar antennas
50. Calibrate inertial navigation systems (INSs)
51. Calibrate radar altimeters
52. Clean video recorder systems



53. Create data transfer system (DTS) cartridges
54. Electrically boresight HUDs
55. Input automatic data into computer complexes
56. Input manual data into computer complexes
57. Key global positioning systems (GPSs)
58. Load almanac into GPSs
59. Load data into INSs
60. Load operational flight programs (OFPs) into computer complexes
61. Load OFPs into programmable display generators (PDGs) or multipurpose display processors (MPDPs)
62. Operationally check 1553 data bus systems
63. Operationally check attack radar or navigation radar systems
64. Operationally check avionics interface units (AIUs)
65. Operationally check bus control display units (BCDUs)
66. Operationally check DTSs
67. Operationally check embedded global positioning systems/internal navigation systems (EGIs)
68. Operationally check FLIR systems
69. Operationally check GPSs
70. Operationally check laser detecting system line replaceable units (LRUs)
71. Operationally check laser detecting systems
72. Operationally check low altitude safety and targeting enhancement (LASTE) systems
73. Operationally check optical sight systems
74. Operationally check overload warning systems (OWSs)
75. Operationally check video recording systems
76. Operationally or built-in-tester (BIT) check central computer (CC) systems
77. Operationally or BIT check digital map reader or remote map reader systems
78. Operationally or BIT check HUD systems
79. Operationally or BIT check indicator group (IG) systems
80. Operationally or BIT check INSs
81. Operationally or BIT check joint helmet mounted cueing systems
82. Operationally or BIT check laser targeting systems
83. Operationally or BIT check low altitude navigation and targeting infrared for night (LANTIRN) systems
84. Operationally or BIT check multi-purpose display (MPD) systems
85. Operationally or BIT check radar altimeters
86. Operationally or BIT check radar systems
87. Operationally or BIT check television monitor systems
88. Pressurize or leak check radar systems
89. Pressurize or leak check LANTIRN systems
90. Remove or replace 1553 data bus components
91. Remove or replace AIUs
92. Remove or replace attack radar or navigation system LRUs
93. Remove or replace BDCUs
94. Remove or replace CC system LRUs
95. Remove or replace digital map reader or remote map reader system LRUs
96. Remove or replace DTS LRUs
97. Remove or replace EGI LRUs
98. Remove or replace FLIR system LRUs
99. Remove or replace GPS LRUs
100. Remove or replace HUD system LRUs
101. Remove or replace IG system LRUs
102. Remove or replace INS LRUs
103. Remove or replace joint helmet mounted cueing systems
104. Remove or replace LANTIRN system LRUs
105. Remove or replace laser targeting system LRUs
106. Remove or replace LASTE system LRUs
107. Remove or replace LCGs
108. Remove or replace left-hand throttle grips
109. Remove or replace MPD system LRUs

110. Remove or replace multiplex data bus (MUX BUS) system LRUs
111. Remove or replace optical sight system LRUs
112. Remove or replace OWS LRUs
113. Remove or replace radar altimeter system LRUs
114. Remove or replace radar system LRUs
115. Remove or replace right-hand throttle grips
116. Remove or replace television monitor systems LRUs
117. Remove or replace video recording system LRUs
118. Troubleshoot 1553 data bus systems
119. Troubleshoot AIUs
120. Troubleshoot attack radar or navigation radar systems
121. Troubleshoot BCDUs
122. Troubleshoot CC systems
123. Troubleshoot digital map reader or remote map reader system LRUs
124. Troubleshoot DTSs
125. Troubleshoot EGIs
126. Troubleshoot FLIR systems
127. Troubleshoot GPSs
128. Troubleshoot HUD systems
129. Troubleshoot IG systems
130. Troubleshoot INSs
131. Troubleshoot joint helmet mounted cueing systems
132. Troubleshoot LANTIRN systems
133. Troubleshoot laser detecting systems
134. Troubleshoot laser targeting systems
135. Troubleshoot LASTE systems
136. Troubleshoot left-hand throttle grips
137. Troubleshoot MPDs
138. Troubleshoot MUX BUSSs
139. Troubleshoot OWSs
140. Troubleshoot radar altimeter systems
141. Troubleshoot right-hand throttle grips
142. Troubleshoot system malfunctions using automated data input terminals (AUDITs)
143. Troubleshoot television monitor systems
144. Troubleshoot video recording systems
145. Troubleshoot waveguide pressure leaks, other than radar
146. Upload or download FLIR pods
147. Upload or download laser detecting pods
148. Upload or download targeting pods

#### C. MAINTAINING INSTRUMENT AND FLIGHT CONTROL SYSTEMS

149. Adjust airborne signal data recording system components
150. Adjust automatic flight control system (AFCS) components
151. Adjust flight control position indicating system components
152. Adjust primary or standby instrument system components
153. Adjust stability augmentation/stall inhibitor systems
154. Adjust trim system components
155. Calibrate fuel quantity indicating systems
156. Load data into avionics video processors (AVPs)
157. Load data into multifunction displays (MFDs)
158. Operationally check AFCSS
159. Operationally check airborne signal data recording systems
160. Operationally check angle of attack (AOA) systems
161. Operationally check attitude heading reference and instrument systems
162. Operationally check autopilot air data systems (APADSs)
163. Operationally check AVPs

164. Operationally check BIT systems
165. Operationally check clocks, such as analog or digital
166. Operationally check engine low compressor bleed indicating systems
167. Operationally check engine overspeed indicating systems
168. Operationally check engine pressure ratio (EPR) indicating systems
169. Operationally check flight control position indicating systems
170. Operationally check flight director systems
171. Operationally check fuel distribution systems
172. Operationally check fuel pressure systems (FPSs) LRUs
173. Operationally check G-exceedance indicating systems
174. Operationally check hydraulic pressure indicating systems
175. Operationally check MFDs
176. Operationally check pitot static and standby instrument systems
177. Operationally check primary flight control systems
178. Operationally check primary remote attitude indicators
179. Operationally check stability augmentation/stall inhibitor systems
180. Operationally check stall warning systems
181. Operationally check standby attitude indicators
182. Operationally check standby compasses
183. Operationally check trim indicating systems
184. Operationally check trim systems
185. Operationally check turbine engine monitoring systems (TEMSs)
186. Operationally or BIT check acceleration indicating systems
187. Operationally or BIT check air data computer and primary instrument systems
188. Operationally or BIT check air data engine interface units (ADEIUs)
189. Operationally or BIT check engine air intake systems
190. Operationally or BIT check engine indicating systems
191. Operationally or BIT check engine monitor displays (EMDs)
192. Operationally or BIT check fuel quantity indicating systems
193. Operationally or BIT check horizontal situation indicating (HSI) systems
194. Operationally or BIT check standard flight data (SFD) recorders
195. Perform attitude heading referencing system (AHRS) swing and compensation checks
196. Perform standby compass swing and compensation checks
197. Pressurize and leak check fuel distribution systems
198. Pressurize and leak check pitot static and standby instrument systems
199. Rebuild cap stands
200. Remove or replace acceleration indicating system LRUs
201. Remove or replace ADEIU LRUs
202. Remove or replace AFCS LRUs
203. Remove or replace air data computer or primary instrument system LRUs
204. Remove or replace airborne signal data recording system LRUs
205. Remove or replace AOA LRUs
206. Remove or replace APADS LRUs
207. Remove or replace attitude heading reference or instrument system LRUs
208. Remove or replace AVPs
209. Remove or replace BIT system LRUs
210. Remove or replace clocks, such as analog or digital
211. Remove or replace control stick grips
212. Remove or replace EMDs
213. Remove or replace engine air intake systems LRUs
214. Remove or replace engine indicating systems components
215. Remove or replace engine low compressor bleed indicating system LRUs
216. Remove or replace engine overspeed indicating system LRUs
217. Remove or replace EPR pressure indicating system LRUs
218. Remove or replace flight control position indicating system LRUs
219. Remove or replace flight director system LRUs
220. Remove or replace FPS components

221. Remove or replace fuel flow indicators
222. Remove or replace fuel quantity indicating system LRUs
223. Remove or replace G-exceedance indicating system LRUs
224. Remove or replace HSI system LRUs
225. Remove or replace hydraulic pressure indicators
226. Remove or replace MFDs
227. Remove or replace nozzle position indicators
228. Remove or replace oil pressure indicators
229. Remove or replace pitot static, heater, or instrument system LRUs
230. Remove or replace primary flight control LRUs
231. Remove or replace primary remote attitude indicators
232. Remove or replace SFD recorders
233. Remove or replace stability augmentation/stall inhibitor system LRUs
234. Remove or replace stall warning LRUs
235. Remove or replace standby attitude indicators
236. Remove or replace standby compasses
237. Remove or replace tachometers
238. Remove or replace temperature indicating system LRUs
239. Remove or replace TEMS LRUs
240. Remove or replace trim indicating system components
241. Remove or replace trim system components
242. Remove or replace turbine inlet temperature indicators
243. Troubleshoot acceleration indicating systems
244. Troubleshoot ADEIUs
245. Troubleshoot AFCSS
246. Troubleshoot air data computer and primary instrument systems
247. Troubleshoot airborne signal data recording systems
248. Troubleshoot AOA systems
249. Troubleshoot APADSS
250. Troubleshoot attitude heading reference and instrument systems
251. Troubleshoot AVPs
252. Troubleshoot BIT systems
253. Troubleshoot clocks, such as analog or digital
254. Troubleshoot control stick grips
255. Troubleshoot EMDs
256. Troubleshoot engine air intake systems
257. Troubleshoot engine indicating systems
258. Troubleshoot engine low compressor bleed indicating systems
259. Troubleshoot engine overspeed indicating systems
260. Troubleshoot EPR indicating systems
261. Troubleshoot flight control position indicating systems
262. Troubleshoot flight control trim systems
263. Troubleshoot flight director systems
264. Troubleshoot FPSs
265. Troubleshoot fuel distribution systems
266. Troubleshoot fuel flow indicating systems
267. Troubleshoot fuel quantity indicating systems
268. Troubleshoot G-exceedance indicating systems
269. Troubleshoot HSI systems
270. Troubleshoot hydraulic pressure indicating systems
271. Troubleshoot MFDs
272. Troubleshoot nozzle position indicating systems
273. Troubleshoot oil pressure indicating systems
274. Troubleshoot pitot static, heater, or instrument systems
275. Troubleshoot primary flight control systems
276. Troubleshoot primary remote attitude indicators
277. Troubleshoot SFD recorders

- 278. Troubleshoot stability augmentation/stall inhibitor systems
- 279. Troubleshoot stall warning systems
- 280. Troubleshoot standby attitude indicators
- 281. Troubleshoot standby compasses
- 282. Troubleshoot tachometer systems
- 283. Troubleshoot temperature indicating systems
- 284. Troubleshoot TEMSs
- 285. Troubleshoot trim indicating systems
- 286. Troubleshoot turbine inlet temperature indicating systems

#### D. MAINTAINING COMMUNICATIONS, NAVIGATION, AND PENETRATION AIDS SYSTEMS

- 287. Code mode 4 crypto equipment
- 288. Code secure voice crypto equipment
- 289. Key fighter data links (FDLs)
- 290. Key IADL or IADL II systems
- 291. Load, verify, or reprogram AIUs
- 292. Operationally check disciplined rubidium oscillators (DROs)
- 293. Operationally check hand controller systems
- 294. Operationally check instrument landing systems (ILSs)
- 295. Operationally check intercommunications systems
- 296. Operationally check joint tactical information display systems (JTIDSs)
- 297. Operationally check lightweight airborne recovery systems (LARSS)
- 298. Operationally check secure voice crypto equipment
- 299. Operationally or BIT check air-to-air identification (AAI) interrogator systems
- 300. Operationally or BIT check automatic direction finder (ADF) systems
- 301. Operationally or BIT check countermeasures dispenser systems (CMDSSs)
- 302. Operationally or BIT check data link systems
- 303. Operationally or BIT check electronic countermeasure (ECM) systems
- 304. Operationally or BIT check electronic warfare warning systems (EWWSSs)
- 305. Operationally or BIT check external ECM systems or pods
- 306. Operationally or BIT check FDLs
- 307. Operationally or BIT check high frequency (HF) communications systems
- 308. Operationally or BIT check identification friend or foe (IFF) interrogator systems
- 309. Operationally or BIT check interference blanker systems (IBSSs)
- 310. Operationally or BIT check radar warning receivers (RWRs)
- 311. Operationally or BIT check tactical air navigation (TACAN) systems
- 312. Operationally or BIT check ultra high frequency (UHF) communication and audio signal systems
- 313. Operationally or BIT check upfront control displays (UFCDs)
- 314. Operationally or BIT check upfront controllers
- 315. Operationally or BIT check very high frequency (VHF) communications and audio signal systems
- 316. Perform end-of-runway mode 4 and RWR checks
- 317. Pressurize or leak check ECM systems
- 318. Remove or replace AAI interrogator system LRUs
- 319. Remove or replace ADF system LRUs
- 320. Remove or replace CMDSS LRUs
- 321. Remove or replace data link system LRUs
- 322. Remove or replace DRO components
- 323. Remove or replace ECM system LRUs
- 324. Remove or replace EWWSS LRUs
- 325. Remove or replace external ECM system LRUs
- 326. Remove or replace FDL LRUs
- 327. Remove or replace hand controller system LRUs
- 328. Remove or replace HF communications system LRUs
- 329. Remove or replace IBS LRUs
- 330. Remove or replace IFF transponder system LRUs
- 331. Remove or replace ILS LRUs

332. Remove or replace intercommunications system LRUs
333. Remove or replace JTIDS LRUs
334. Remove or replace LARSs
335. Remove or replace RWR LRUs
336. Remove or replace secure voice crypto equipment LRUs
337. Remove or replace TACAN system LRUs
338. Remove or replace UFCD LRUs
339. Remove or replace UHF communication and audio signal system LRUs
340. Remove or replace upfront controllers
341. Remove or replace VHF communications and audio signal system LRUs
342. Reprogram ALQ-213 countermeasure sets (CMSs)
343. Reprogram CMDs LRUs
344. Reprogram external ECM pods
345. Reprogram RWR system LRUs
346. Service data link systems
347. Service EWWS
348. Test ECM transmission lines
349. Transport data link system pods
350. Transport ECM pods
351. Troubleshoot AAI interrogator systems
352. Troubleshoot ADF systems
353. Troubleshoot CMDs
354. Troubleshoot data link systems
355. Troubleshoot DROs
356. Troubleshoot ECM systems
357. Troubleshoot EWWSs
358. Troubleshoot external ECM systems
359. Troubleshoot FDLs
360. Troubleshoot hand controller systems
361. Troubleshoot HF communications systems
362. Troubleshoot IBSs
363. Troubleshoot IFF transponder systems
364. Troubleshoot ILSs
365. Troubleshoot intercommunication systems
366. Troubleshoot JTIDSs
367. Troubleshoot LARSs
368. Troubleshoot RWRs
369. Troubleshoot secure voice crypto equipment
370. Troubleshoot TACAN systems
371. Troubleshoot TTWSs
372. Troubleshoot UFCDs
373. Troubleshoot UHF communication and audio signal systems
374. Troubleshoot upfront controllers
375. Troubleshoot VHF communications and audio signal systems
376. Upload or download data link system pods
377. Upload or download ECM pods

#### E. PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES

378. Assist in aircraft engine removal or installation
379. Assist in aircraft hand launch activities
380. Assist in aircraft weight and balance functions
381. Bleed or service aircraft brake systems
382. Build fuel cell tanks
383. Clean interior of aircraft
384. Connect or disconnect portable hydraulic systems
385. Identify aircraft fuel leaks

386. Inspect aircraft dehumidifiers or desiccants
387. Inspect aircraft egress systems
388. Inspect aircraft landing gear systems
389. Inspect airframes or airframe line replaceable units (LRUs)
390. Inspect halon bottles
391. Inspect liquid oxygen (LOX) converters
392. Jack or level aircraft
393. Launch or recover aircraft
394. Marshall aircraft
395. Moor aircraft
396. Motor aircraft engines
397. Open or close weapons bays or radomes
398. Operationally check aircraft indicator warning lights
399. Operationally check aircraft lighting systems
400. Over-the-wing refuel or defuel aircraft
401. Participate as aircraft tow team member or supervisor
402. Perform aircraft cold weather procedures
403. Perform end-of-runway inspections, other than mode 4 and RWR checks
404. Perform ground engine runs
405. Perform hot pit refueling procedures
406. Perform integrated combat turn duties
407. Perform operational checks of aircraft canopy systems
408. Perform operational checks of aircraft seat adjustment systems
409. Perform POGO procedures
410. Perform postflight inspections
411. Perform preflight inspections
412. Perform preuse inspections of nonpowered aerospace ground equipment (AGE)
413. Perform preuse inspections of powered AGE
414. Perform supplemental inspections, such as acceptance, calendar, or time replacement item
415. Perform thruflight inspections
416. Position AGE
417. Position or remove aircraft chocks
418. Prepare aircraft for hangar entries
419. Prepare aircraft for trim pads
420. Prepare aircraft for fuel cells
421. Refuel or defuel aircraft
422. Remove or install aircraft brake assemblies
423. Remove or install aircraft dehumidifiers or desiccants
424. Remove or install aircraft doors or panels
425. Remove or install aircraft external fuel tanks
426. Remove or install aircraft landing gear components
427. Remove or install aircraft light lenses, light bulbs, or batteries
428. Remove or install aircraft radomes
429. Remove or install aircraft safety pins or locks
430. Remove or install aircraft travel pods
431. Remove or install aircraft wheel and tire assemblies
432. Remove or install engine starter cartridges
433. Remove or install halon bottles
434. Remove or install LOX bottles
435. Service aircraft arresting gear systems
436. Service aircraft engine gearboxes
437. Service aircraft engine oil systems
438. Service aircraft environmental systems
439. Service aircraft hydraulic systems
440. Service aircraft landing gear systems
441. Service aircraft pneumatic systems
442. Service aircraft tires

- 443. Service engine constant speed drives (CSDs)
- 444. Static ground aircraft
- 445. Take engine oil samples (JOAP)
- 446. Tow AGE
- 447. Transport test equipment or units to or from flightline
- 448. Wash aircraft

#### F. PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES

- 449. Analyze computerized fault reporting system (CFRS) data
- 450. Analyze core automated maintenance system (CAMS) data
- 451. Clear Red-X conditions
- 452. Conduct CAMS training
- 453. Conduct CFRS training
- 454. Determine CAMS training requirements
- 455. Determine CFRS training requirements
- 456. Evaluate new, modified, or prototype equipment
- 457. Identify problem areas, other than equipment or supply, using deficiency, service, or status reports, such as reports or deficiency (RODs)
- 458. Initiate technical order improvement reports
- 459. Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781-series
- 460. Initiate or coordinate deficiency, service, or status reports, such as RODs
- 461. Input supply data into CAMS
- 462. Input supply data into CFRS
- 463. Maintain aircraft analysis historical records
- 464. Maintain due-in-from-maintenance (DIFM) transaction reports
- 465. Perform time compliance technical order (TCTO) inspections or installations
- 466. Review aircraft flight or maintenance records, such as AFTO Forms 781-series
- 467. Review preventive maintenance schedules
- 468. Update and maintain CAMS data
- 469. Update and maintain CFRS data

#### G. PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES

- 470. Compile data for records, reports, logs, or trend analyses
- 471. Complete accident or incident reports
- 472. Destroy classified materials or documents
- 473. Establish or maintain accountability records for classified materials or documents
- 474. Establish or maintain automated technical order management system (ATOMS) accounts
- 475. Identify and report suspected security compromises
- 476. Initiate classified reports, messages, or documents
- 477. Initiate requests for temporary duty (TDY) orders
- 478. Initiate or maintain standby rosters or workcenter pyramid recall rosters
- 479. Inventory classified materials or documents
- 480. Maintain administrative files
- 481. Maintain aircraft maintenance historical log books
- 482. Maintain publications libraries, other than technical order (TO) libraries
- 483. Maintain time compliance technical orders (TCTOs)
- 484. Maintain TO libraries
- 485. Maintain or update status indicators, such as boards, graphs, or charts
- 486. Participate in TCTO meetings
- 487. Prepare administrative or classified materials or documents for mailing, transporting, or issue
- 488. Review TO changes
- 489. Tracks and records data for the Airframe Structural Integrity Program (ASIP)
- 490. Write minutes of briefings, conferences, or meetings



#### H. PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES

- 491. Coordinate maintenance of equipment with appropriate agencies
- 492. Develop equipment checklists
- 493. Evaluate serviceability of equipment, tools, parts, or supplies
- 494. Identify and report equipment or supply problems
- 495. Initiate requisitions for equipment, tools, parts, or supplies
- 496. Inventory equipment, tools, parts, or supplies
- 497. Issue or log turn-ins of equipment, tools, parts, or supplies
- 498. Maintain documentation on items requiring periodic inspections or calibrations
- 499. Maintain organizational equipment or supply records
- 500. Manage international merchant purchase authorization card (IMPAC) program
- 501. Monitor special purpose recoverable authorized maintenance (SPRAM) accounts
- 502. Perform security checks of tool cribs, hangars, or vehicles
- 503. Pick up, deliver, or store equipment, tools, parts, or supplies

#### I. PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES

- 504. Assign personnel to mobility or contingency positions
- 505. Brief deploying personnel
- 506. Complete operations plan (OPLAN) sourcing requirements
- 507. Compute OPLAN requirements status listings
- 508. Conduct contingency operation/mobility planning and execution systems (COMPES) programs
- 509. Conduct mobility or deployment site surveys
- 510. Coordinate deployment of personnel with other MAJCOMs or joint service commands
- 511. Coordinate mobility or contingency requirements with appropriate agencies
- 512. Coordinate specific source of personnel requirements with appropriate agencies
- 513. Determine cost factors for support agreements
- 514. Determine specific source of personnel requirements for deployment manning documents
- 515. Develop contingency exercise mobility (CEM) orders
- 516. Develop mobility inspection checklists
- 517. Dig trenches
- 518. Don or doff chemical warfare personal protective clothing
- 519. Draft or write mobility or deployment after-action reports
- 520. Erect tents
- 521. Inspect mobility bags or kits
- 522. Inspect packed or palletized mobility or contingency equipment prior to transport
- 523. Load plan aircraft for deployments
- 524. Maintain accountability of personnel selected to fill OPLAN requirements
- 525. Maintain base OPLAN files
- 526. Pack or palletize mobility or contingency equipment for shipment or movement
- 527. Perform camouflage procedures
- 528. Perform camp security
- 529. Perform chemical warfare agent decontamination procedures
- 530. Perform cover and concealment techniques for work party security
- 531. Perform disease or pestilence countermeasures
- 532. Perform explosive ordnance reconnaissance
- 533. Perform pallet buildup activities
- 534. Perform plans file and mobility file matches
- 535. Perform predeployment reconnaissance surveys
- 536. Perform or set up site security
- 537. Prepare equipment for deployments
- 538. Prepare sites at deployed locations, such as cutting grass or removing snow
- 539. Process classified materials or documents at deployed locations
- 540. Provide OPLAN requirements status listings to unit commanders
- 541. Request or distribute mobility requirements documents
- 542. Set up or tear down shelters

## J. PERFORMING TRAINING ACTIVITIES

- 543. Administer or score tests
- 544. Brief personnel concerning training programs or matters
- 545. Complete student entry or withdrawal forms
- 546. Conduct formal course classroom training
- 547. Conduct on-the-job training (OJT)
- 548. Counsel trainees on training progress
- 549. Determine training requirements
- 550. Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)
- 551. Develop training programs, plans, or procedures
- 552. Develop written tests
- 553. Develop or procure training materials or aids
- 554. Establish or maintain study reference files
- 555. Evaluate effectiveness of training programs, plans, or procedures
- 556. Evaluate progress of trainees
- 557. Evaluate training methods or techniques of instructors
- 558. Inspect training materials or aids for operation or suitability
- 559. Maintain training records or files
- 560. Personalize lesson plans
- 561. Prepare job qualification standards (JQSs)
- 562. Write training reports

## K. PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES

- 563. Adjust daily maintenance plans to meet operational commitments
- 564. Annotate time and attendance sheets for civilian employees
- 565. Assign personnel to work areas or duty positions
- 566. Assign sponsors for newly assigned personnel
- 567. Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- 568. Conduct safety inspections of equipment or facilities
- 569. Conduct self-inspections or self-assessments
- 570. Conduct staff assistance visits, inspections, or audits
- 571. Conduct supervisory orientations for newly assigned personnel
- 572. Conduct supervisory performance feedback sessions
- 573. Counsel subordinates concerning personal matters
- 574. Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- 575. Determine or establish work assignments or priorities
- 576. Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans
- 577. Develop organizational or functional charts
- 578. Develop resource protection programs
- 579. Develop self-inspection or self-assessment program checklists
- 580. Develop or establish work methods or procedures
- 581. Develop or establish work schedules
- 582. Draft budget requirements
- 583. Draft host-tenant or interservice agreements
- 584. Draft supplements or changes to directives, such as policy directives, instructions, or manuals
- 585. Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)
- 586. Establish performance standards for subordinates
- 587. Establish procedures for accountability of equipment, tools, parts, or supplies
- 588. Evaluate causes of mission operational discrepancies
- 589. Evaluate inspection report findings or inspection procedures
- 590. Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program
- 591. Evaluate maintenance data collection (MDC) reports
- 592. Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace
- 593. Evaluate personnel for compliance with performance standards

- 594. Evaluate personnel for promotion, demotion, reclassification, or special awards
- 595. Implement safety or security programs
- 596. Initiate actions required due to substandard performance of personnel
- 597. Initiate personnel action requests
- 598. Inspect personnel for compliance with military standards
- 599. Interpret policies, directives, or procedures for subordinates
- 600. Investigate accidents or incidents
- 601. Plan layouts of facilities
- 602. Review budget requirements
- 603. Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals
- 604. Review mobility, contingency, disaster preparedness, or unit emergency or alert plans
- 605. Review requests for limited or special calibrations
- 606. Schedule personnel for TDY assignments, leaves, or passes
- 607. Write inspection reports
- 608. Write job or position descriptions
- 609. Write recommendations for awards or decorations
- 610. Write replies to inspection reports
- 611. Write staff studies, surveys, or routine reports, other than training or inspection reports
- 612. Write or indorse civilian performance appraisals
- 613. Write or indorse military performance reports